Contributed Talk on September 26, 2024, 17:00 am

Speaker: Mateo Galdeano, Hamburg University

Title: Generalised Einstein metrics on Lie groups

Abstract:

The generalised Einstein condition is the analogue of Ricci flatness in the context of generalised geometry. It appears naturally as one of the equations of motion of certain supergravity theories, and it involves not only a metric but also a closed 3-form and a divergence operator on our manifold. In this talk we will discuss Riemannian and Lorentzian generalised Einstein metrics on Lie groups, including several classification results in four dimensions and beyond. Based on 2407.16562 with Vicente Cortés and Marco Freibert.